

Abstract

An electric arc welder comprising a high switching frequency inverter for driving the primary of an output transformer where the output transformer has a plurality of modules forming the secondary windings of the transformer and each of the modules comprises a first coaxial set of concentric, telescoped tubes separated by a tubular insulator, a second coaxial set of concentric, telescoped conductive tubes separated by a tubular insulator wherein the sets each have an elongated central passage for accommodating the primary and a conductor connecting the tubes into a series circuit. These modules form a transformer for such welder.